

Kallikrein-5 Human Recombinant

Item Number	rAP-1241
Synonyms	Kallikrein-5, Kallikrein-like protein 2, KLK-L2, Stratum corneum tryptic enzyme, KLK5, SCTE, UNQ570/PRO1132, KLKL2.
Description	KLK5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (67-293) and having a molecular mass of 27.8kDa. KLK5 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9Y337
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMIINGS DCDMHTQPWQ AALLLRPNQL YCGAVLVHPQ WLLTAAHCRK KVFRVRLGHY SLSPVYESGQ QMFQGVKSIP HPGYSHPGHS NDLMLIKLNR RIRPTKDVRP INVSSHCPSA GTKCLVSGWG TTKSPQVHFP KVLQCLNISV LSQKRCEDAY PRQIDDTMFC AGDKAGRDSC QGDSGGPVVC NGS LQGLVSW GDYPCARPNR PGVYTNLCKF TKWIQETIQA NS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The KLK5 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea and 20% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**